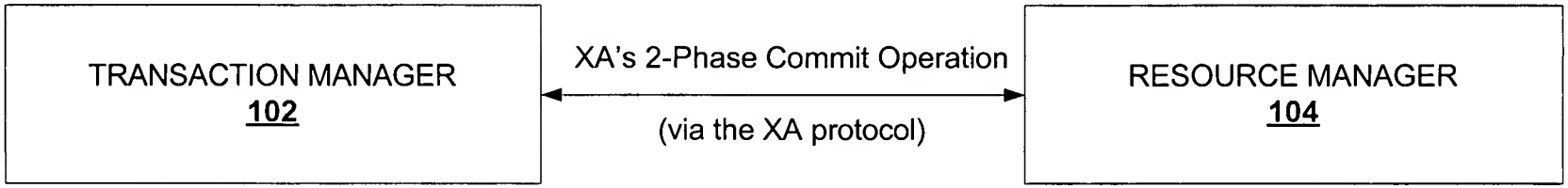

FIGURE 1
(PRIOR ART)

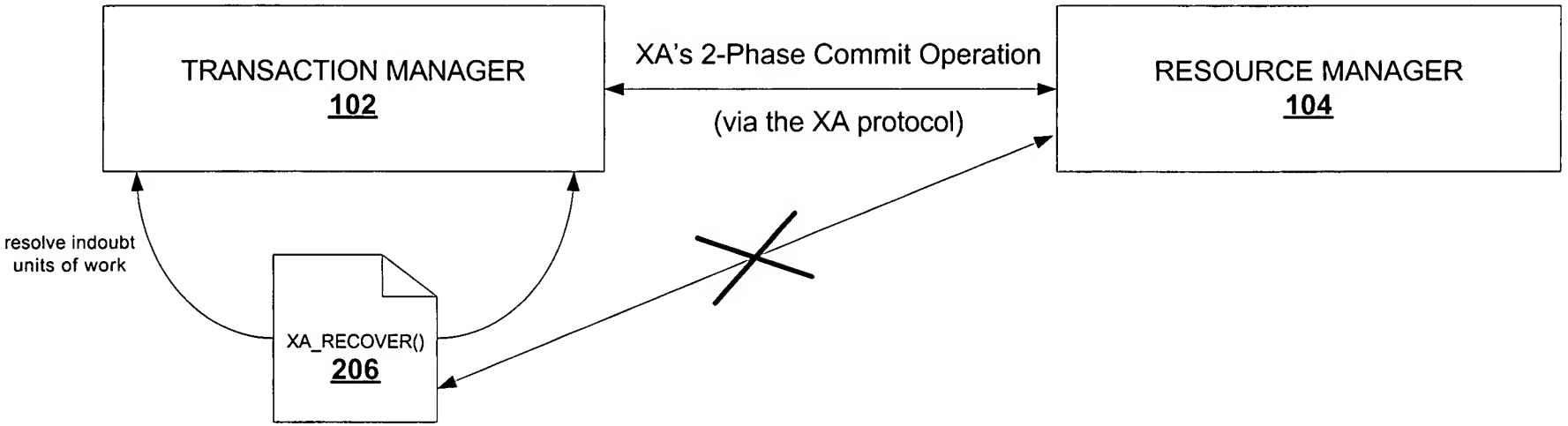

FIGURE 2
(PRIOR ART)

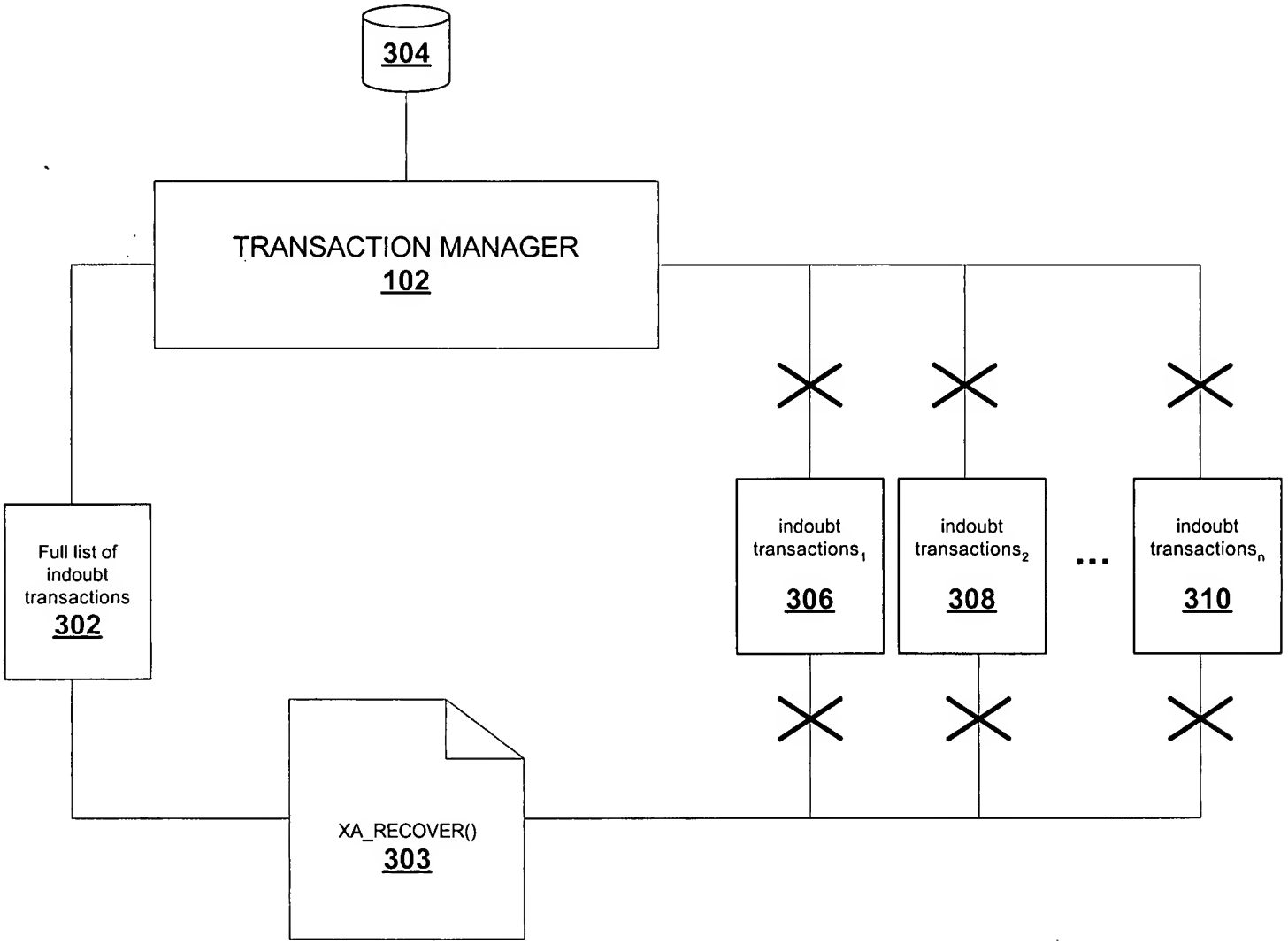

FIGURE 3
(PRIOR ART)

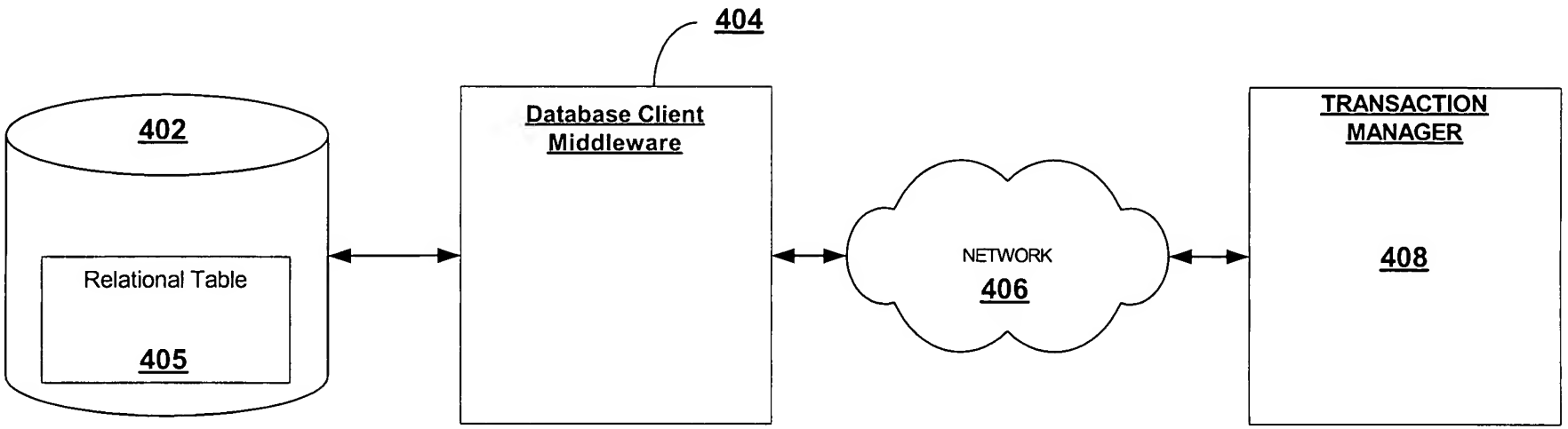
404
402
Database Client
Middleware
TRANSACTION
MANAGER
Relational Table
405
NETWORK
406
408

FIGURE 4a

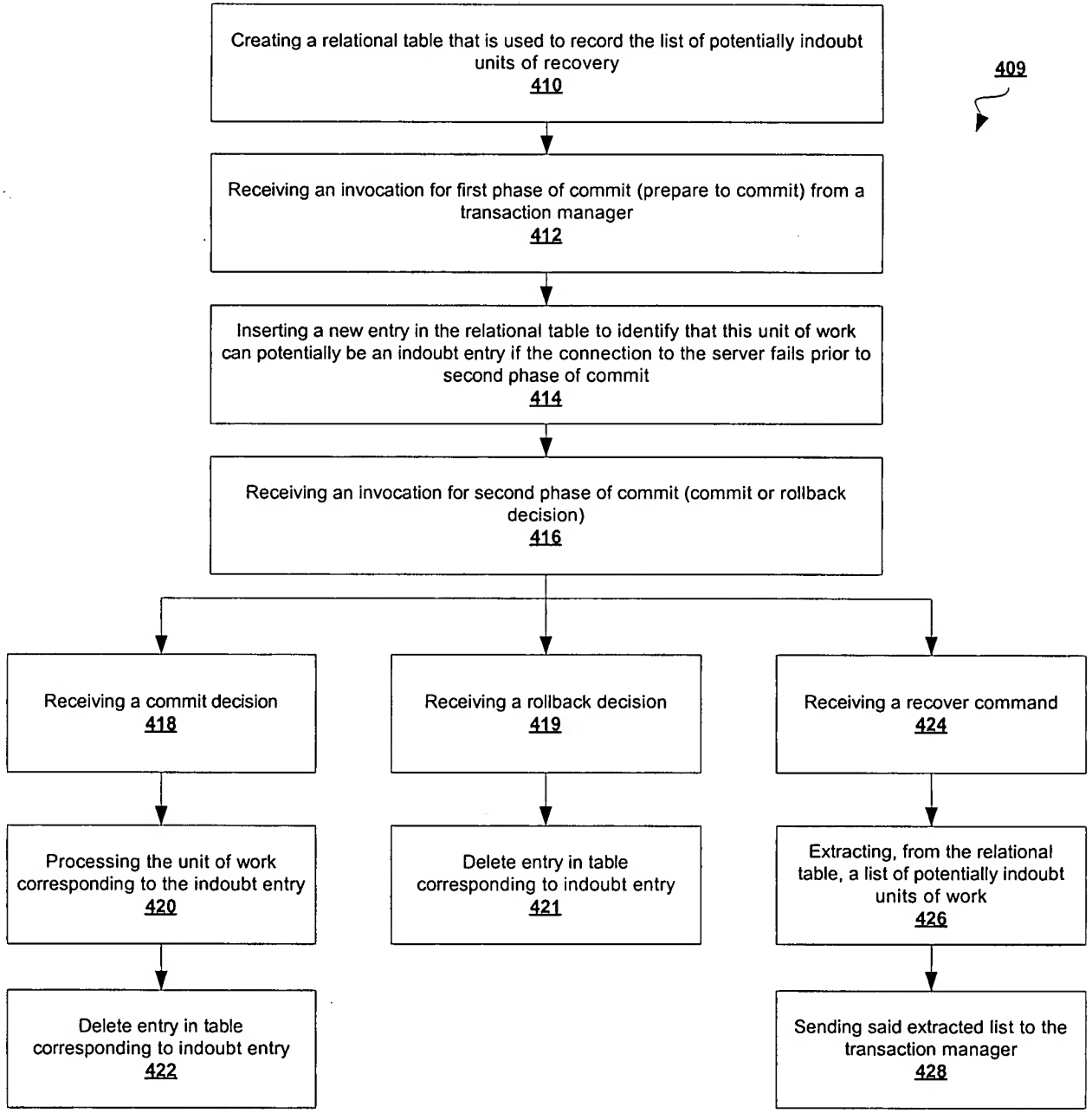
Creating a relational table that is used to record the list of potentially indoubt units of recovery
410
409
Receiving an invocation for first phase of commit (prepare to commit) from a transaction manager
412
Inserting a new entry in the relational table to identify that this unit of work can potentially be an indoubt entry if the connection to the server fails prior to second phase of commit
414
Receiving an invocation for second phase of commit (commit or rollback decision)
416
Receiving a commit decision
418
Receiving a rollback decision
419
Receiving a recover command
424
Processing the unit of work corresponding to the indoubt entry
420
Delete entry in table corresponding to indoubt entry
421
Extracting, from the relational table, a list of potentially indoubt units of work
426
Delete entry in table corresponding to indoubt entry
422
Sending said extracted list to the transaction manager
428

FIGURE 4b